



COMMONWEALTH of VIRGINIA

DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010655
CERTIFICATION DATE: August 22, 2013
DATE RECERTIFICATION DUE: February 18, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

Melissa Kennedy

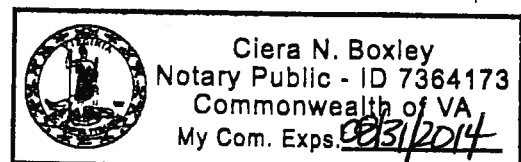
Section Supervisor, Breath Alcohol

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 12th day of September 2013 by Melissa Kennedy

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014
TLN



DBH
NJK

**Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 8/23/2013**

Instrument Serial Number: 010655

As of 23-Aug-13

Maintenance Date	Certification Date	Technician Initials	Remarks
22-Aug-13	22-Aug-13	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.
05-Mar-13	05-Mar-13	SED (24178)	MOVED INSTRUMENT TO NEW LOCATION WITHIN SAME FACILITY. CERTIFIED. REPLACED DRY GAS STANDARD.
18-Sep-12	18-Sep-12	DBH (21250)	CERTIFIED, REPLACED DRY GAS STANDARD.
10-Apr-12	10-Apr-12	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
01-Nov-11	01-Nov-11	TLN (25387)	CERTIFIED
24-May-11	24-May-11	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
08-Dec-10	08-Dec-10	DBH (21250)	CERTIFIED
23-Jun-10	23-Jun-10	DBH (21250)	CERTIFIED
05-Jan-10	05-Jan-10	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
28-Jul-09	28-Jul-09	DBH (21250)	CERTIFIED.
17-Mar-09	17-Mar-09	DBH (21250)	CERTIFIED.
12-Mar-09	12-Mar-09	NMJ (22392)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
12-Mar-09	12-Mar-09	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

DBH

hsk

INTOX EC/IR II

Quality Assurance Worksheet

Instrument Serial Number 010655 Worksheet Start Date 8/22/2013

Location Fort AP Hill
 Address 14115 Montague Rd ~~Bowling Green~~ *FORT AP HILL DBH 8/28/13* VA 22427

DFS Technician Donald Hall License No. 21250

☐ Laboratory ☒ On-Site

Site Specifications

Yes No

1 Secured Environment:

Location must not be accessible to the general public.

☒ ☐

2 Environment free from contaminants

☒ ☐

3 Dedicated telephone line:

The phone line should be used solely by the instrument.

☒ ☐

4 Adequate Ventilation:

Enough space must be provided for the instrument and the printer to allow for adequate ventilation.

☒ ☐

5 Stable temperature controls:

The instrument should not be exposed to direct sources of temperature variation.

☒ ☐

6 115VAC power source:

Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.

☒ ☐

7 Room Condition:

The site should be free of excessive moisture, heat and dust.

☒ ☐

Old serial no.

New serial no.

E-Seek
Keyboard
Printer
UPS

Supplies
Mouthpieces
Certificates of Analysis
Operator Worksheet
Other:

50

50

Maintenance (if any)

Firmware/software upgrade.

Comments (if any)

Instrument Serial Number 010655

Certification Date 8/22/2013

Instrument Barometer (mm HG) 755

Reference Barometer (mm HG) 757

Reference Barometer(RB)Serial # 009110

RB Calibration Due 5/30/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.246
0.250	0.248	0.240	0.255	Sample 2	0.246
Precision		sample min	sample max	Sample 3	0.245
0.001		0.245	0.246		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.148
0.150	0.149	0.144	0.153	Sample 2	0.148
Precision		sample min	sample max	Sample 3	0.148
0		0.148	0.148		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.079
0.080	0.080	0.077	0.083	Sample 2	0.079
Precision		sample min	sample max	Sample 3	0.079
0		0.079	0.079		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.019
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☒ Calibrated☒ Certified☒ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG206601-02

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.100
0.100	0.099	0.096	0.102	Sample 2	0.100
Precision		sample min	sample max	Sample 3	0.100
0		0.100	0.100		

DFS Technician

Donald B Hall

Date

8/23/13

Issuing Analyst

Mehmet K. K. K.

Date

9/3/13

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010655 Test Number: 156
Test Date: 08/22/2013 Test Time: 13:59 EDT

Technician Initials: DBH

Dry Gas Target: 0.100

Lot Number: AG226201-17 Exp Date: 09/18/2014

Tank Pressure: 1120 psi Barometric Pressure: 756 mmHg

Test	g/210L	Time
DIAG	Pass	14:00
BLK	0.000	14:01
CHK	0.100	14:01
BLK	0.000	14:02
CHK	0.100	14:03
BLK	0.000	14:04
CHK	0.100	14:05
BLK	0.000	14:06

Success

Standard Value (at sea level): 0.100 g/210L

Certification Status: Success

*RAN ONE-POINT CERTIFICATION IN PREPARATION
FOR FIRMWARE/SOFTWARE UPGRADE DUE TO
CERTIFICATION WARNING ON DISPLAY*

*DBH
8/22/13*

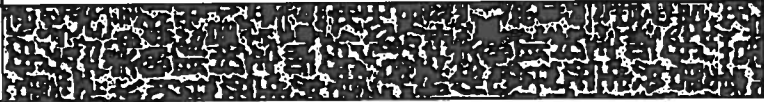


COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 08/22/2013
TEST EQUIPMENT NUMBER 010655		

RESULTS: TIME SAMPLE TAKEN 14:14 EDT

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____ OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 22 Aug 2013 at 17:16

DBH

WJH

Test Results

Instrument Serial Number 010655

Test # 000157 Subject Test

Test Location 1 Department of

Test Date 22 Aug 2013

Test Location 2 Forensic Science

Test Time 14:08

Remote/Local Local

Test Location 3

System Check Passed

Operator's Last Name HALL

Agency DFS Central Lab

Card Serial Number 121250

Subject's Last Name INSTRUMENT

Subject's Middle Initial

Driver's License Number

Driver's License State

Operator's First Name DONALD

License Number 21250

Effective Date 10/01/2012

Subject's Date of Birth 00/00/0000

Operator's Middle Initial B

Expiration Date 10/01/2014

Subject's First Name TEST

Subject's Sex Male

Driver's License Expiration 00/00/0000

Court Name DFS

End Date 22 Aug 2013 End Time 14:16

Result Time 14:14

Result Date 22 Aug 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 14:08

Data Type BLK

Sample Value 0.000

Sample Time 14:09

Data Type CHK

Sample Value 0.100

Sample Time 14:10

Data Type BLK

Sample Value 0.000

Sample Time 14:11

Data Type SUBJ

Sample Value 0.000

Sample Time 14:12

Data Type BLK

Sample Value 0.000

Sample Time 14:13

Data Type SUBJ

Sample Value 0.000

Sample Time 14:14

Data Type BLK

Sample Value 0.000

Sample Time 14:15

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG226201-17

Standard Expiration Date 09/18/2014

Tank Pressure 1120

Barometric Pressure 756 mmHg

Blow Sample Number 1 Blow Duration 3.24 sec

Blow Volume 1794 cc End-of-Blow Time 14:12

Blow Sample Number 2 Blow Duration 2.87 sec

Blow Volume 1694 cc End-of-Blow Time 14:14

Tamper Evident Stamp edcc85a6

Test Status Code 0

Test Status Success

Intox EC/IR-II: Software Version

Department of Forensic Science

Serial Number: 010655

System Date: 08/22/2013

System Time: 14:36 EDT

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

DBH

NK

DBH

NDK

Intox EC/IR-II: Calibration

Department of Forensic Science

Serial Number: 010655 Test Number: 158

Test Date: 08/22/2013 Test Time: 14:39 EDT

Dry Gas Target: 0.099

Lot Number: 0651210013-05 Exp Date: 04/01/2014

Tank Pressure: 477 psi Barometric Pressure: 755 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	14:40
CAL	0.099	14:41

Test Status: *Success*

Calibration CRC: C100879B

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010655 Test Number: 159

Test Date: 08/22/2013 Test Time: 14:44 EDT

Technician Initials: DBH

Dry Gas Target: 0.248

Lot Number: 2961225012-10 Exp Date: 11/01/2014

Tank Pressure: 419 psi Barometric Pressure: 755 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:45
BLK	0.000	14:46
CHK	0.246	14:46
BLK	0.000	14:48
CHK	0.246	14:49
BLK	0.000	14:50
CHK	0.245	14:51
BLK	0.000	14:52

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010655 Test Number: 160

Test Date: 08/22/2013 Test Time: 14:55 EDT

Technician Initials: DBH

Dry Gas Target: 0.149

Lot Number: 0651215014-07 Exp Date: 04/01/2014

Tank Pressure: 174 psi Barometric Pressure: 755 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:56
BLK	0.000	14:57
CHK	0.148	14:58
BLK	0.000	14:59
CHK	0.148	15:00
BLK	0.000	15:01
CHK	0.148	15:02
BLK	0.000	15:03

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010655 Test Number: 161
Test Date: 08/22/2013 Test Time: 15:05 EDT

Technician Initials: DBH

Dry Gas Target: 0.080

Lot Number: 0651208012-03 Exp Date: 04/01/2014

Tank Pressure: 379 psi Barometric Pressure: 755 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	15:06
BLK	0.000	15:06
CHK	0.079	15:07
BLK	0.000	15:08
CHK	0.079	15:09
BLK	0.000	15:10
CHK	0.079	15:11
BLK	0.000	15:12

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

DBH

WXL

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010655 Test Number: 162
Test Date: 08/22/2013 Test Time: 15:15 EDT

Technician Initials: DBH

Dry Gas Target: 0.020

Lot Number: 0651202011-05 Exp Date: 04/01/2014

Tank Pressure: 262 psi Barometric Pressure: 755 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	15:15
BLK	0.000	15:16
CHK	0.019	15:17
BLK	0.000	15:18
CHK	0.019	15:19
BLK	0.000	15:20
CHK	0.019	15:21
BLK	0.000	15:22

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010655 Test Number: 163

Test Date: 08/22/2013 Test Time: 15:25 EDT

Dry Gas Target: 0.248

Lot Number: AG205404-03 Exp Date: 02/23/2014

Tank Pressure: 190 psi Barometric Pressure: 754 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	15:26
CHK	0.250	15:27
BLK	0.000	15:28
CHK	0.250	15:29
BLK	0.000	15:31
CHK	0.250	15:32

Test Status: Success

Calibration CRC: C100879B

DBT

WDL

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010655 Test Number: 164

Test Date: 08/22/2013 Test Time: 15:35 EDT

Dry Gas Target: 0.099

Lot Number: AG206601-02 Exp Date: 03/06/2014

Tank Pressure: 159 psi Barometric Pressure: 754 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	15:35
CHK	0.100	15:36
BLK	0.000	15:38
CHK	0.100	15:38
BLK	0.000	15:40
CHK	0.100	15:40

Test Status: Success

Calibration CRC: C100879B



COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
---	-----------------------------

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 08/22/2013
TEST EQUIPMENT NUMBER 010655		

RESULTS: TIME SAMPLE TAKEN **15:49 EDT**

SAMPLE'S ALCOHOL CONTENT **0.00** GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____ OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 22 Aug 2013 at 17:16

DB4

WXL

Test Results

Instrument Serial Number 010655

Test # 000165 Subject Test

Test Location 1 Department of

Test Date 22 Aug 2013

Test Location 2 Forensic Science

Test Time 15:43

Remote/Local Local

Test Location 3

System Check Passed

Operator's Last Name HALL

Agency DFS Central Lab

Card Serial Number 121250

Subject's Last Name INSTRUMENT

Subject's Middle Initial

Driver's License Number

Driver's License State

Operator's First Name DONALD

License Number 21250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's First Name TEST

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Expiration 00/00/0000

Court Name DFS

End Date 22 Aug 2013

End Time 15:50

Result Time 15:49

Result Date 22 Aug 2013

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 15:43

Data Type BLK

Sample Value 0.000

Sample Time 15:44

Data Type CHK

Sample Value 0.100

Sample Time 15:45

Data Type BLK

Sample Value 0.000

Sample Time 15:46

Data Type SUBJ

Sample Value 0.000

Sample Time 15:47

Data Type BLK

Sample Value 0.000

Sample Time 15:48

Data Type SUBJ

Sample Value 0.000

Sample Time 15:49

Data Type BLK

Sample Value 0.000

Sample Time 15:50

Standard Type Dry Gas Std

Standard Value 0.099

Standard Lot Number AG206601-02

Standard Expiration Date 03/06/2014

Tank Pressure 159

Barometric Pressure 754 mmHg

Blow Sample Number 1

Blow Duration 3.12 sec

Blow Volume 1828 cc

End-of-Blow Time 15:47

Blow Sample Number 2

Blow Duration 3.53 sec

Blow Volume 1898 cc

End-of-Blow Time 15:49

Tamper Evident Stamp 7be73865

Test Status Code 0

Test Status Success